

Climate Change, Research, Observations & Services \$295.9 million

NOTE: Theme title changes are highlighted. No numeric changes.

Theme	Base	Increase	Total
CCRI - Global Observing System	\$4.0 million	\$6.3 million	\$10.3 million
CCRI - Carbon Cycle	\$2.0 million	\$5.0 million	\$7.0 million
CCRI - Aerosol-Climate Interactions	\$2.0 million	\$1.0 million	\$3.0 million
CCRI - Climate Change Science Program Office	0	\$1.1 million	\$1.1 million
CCRI - GFDL Supercomputing (Increase in PAC Account)	\$5.0 million	\$3.5 million	\$8.5 million
Other Programs	\$266.0 million	0	\$266.0 million
Total - Climate Change, Research, Observations & Services 1/	\$279.0 million	\$16.9 million	\$295.9 million

1/ The Climate Change Research Initiative (CCRI) consists of \$18,000,000 in CCRI base funding, \$6,700,000 in base funding from NOAA's Climate and Global Change Program, and increases of \$13,400,000 in ORF, and \$3,500,000 in PAC, for a total CCRI request of \$41,600,000.

This theme emphasizes research designed to understand complex climate systems to improve predictions, and facilitate the effective use of scientific knowledge in policy and management decisions. Details of the proposed increase include:

- \$6.3 million to build and sustain a global ocean observing system that will accurately document climate-scale changes in ocean heat, clean carbon content, and sea level.
- \$5.0 million to implement a carbon cycle atmospheric observing system focusing on North America to define carbon dioxide sources and sinks in and around the U.S. in order to gauge the effectiveness of future carbon emission and sequestration strategies.